

Comparisons of Job Characteristics

Focus Occupation: Health and Safety Engineers, Except Mining Safety Engineers and Inspectors (17-2111)

Associated Occupation: Hazardous Materials Removal Workers (47-4041)

Compare Knowledge

Compare Skills

Compare Abilities

Compare Detailed Work Activities

Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 56

Focus Occupation: Health and Safety Engineers, Except Mining Safety Engineers and Inspectors (17-2111)
Associated Occupation: Hazardous Materials Removal Workers (47-4041)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Chemistry	4.8	14.6	13.0	< Expanded education and/or training may be required
Mechanical	6.8	11.5	12.8	> Current knowledge level is likely sufficient
Transportation	4.6	8.4	5.1	<< Extensive education and/or training may be required
Building and Construction	4.0	7.1	10.3	>> Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 40

Focus Occupation: Health and Safety Engineers, Except Mining Safety Engineers and Inspectors (17-2111)
Associated Occupation: Hazardous Materials Removal Workers (47-4041)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation and Control	5.4	10.3	3.3	<< Extensive development of skills in this area may be required
Operation Monitoring	6.6	9.7	7.9	< A higher skill level may be required
Troubleshooting	4.5	7.3	7.3	0 Current skill level may be sufficient
Equipment Maintenance	3.5	6.7	1.1	<< Extensive development of skills in this area may be required
Equipment Selection	3.3	6.2	2.6	<< Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 67			
Focus Occupation: Health and Safety Engineers, Except Mining Safety Engineers and Inspectors (17-2111) Associated Occupation: Hazardous Materials Removal Workers (47-4041)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	12.9	2.6	<<	Extensive improvement in abilities may be required
Multilimb Coordination	6.0	12.2	2.8	<<	Extensive improvement in abilities may be required
Depth Perception	5.3	10.1	6.2	<<	Extensive improvement in abilities may be required
Response Orientation	4.0	9.4	1.2	<<	Extensive improvement in abilities may be required
Time Sharing	6.6	8.4	6.0	<<	Extensive improvement in abilities may be required
Rate Control	3.8	8.2	1.1	<<	Extensive improvement in abilities may be required
Spatial Orientation	2.7	5.6	2.0	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 56	
Focus Occupation: Health and Safety Engineers, Except Mining Safety Engineers and Inspectors (17-2111) Associated Occupation: Hazardous Materials Removal Workers (47-4041)			
Work Activities		Exclusivity of Activity	
Adhere to safety procedures		12	
Follow safe waste disposal procedures		50	
Use government regulations		44	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 66	
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Focus Occupation: Health and Safety Engineers, Except Mining Safety Engineers and Inspectors (17-2111)
Associated Occupation: Hazardous Materials Removal Workers (47-4041)

Tools and Technologies	Exclusivity
Chemical evaluation instruments and supplies	10
Computer data input devices	2
Computers	1
Content authoring and editing software	1
Data management and query software	1
Electrochemical measuring instruments and accessories	9
Gas analyzers and monitors	10
Indicating and recording instruments	2
Sampling equipment	12
Spectroscopic equipment	10

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.